

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH2004/000019

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A63B23/04 A63B23/00 A61H1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A63B A61H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 950 120 A (STEWART HUBERT L) 23 August 1960 (1960-08-23) the whole document	1-8, 11 9
X	US 5 584 786 A (ALMEDA THOMAS M) 17 December 1996 (1996-12-17) cited in the application the whole document	1-5, 8, 10, 11 9
X	US 4 927 139 A (TALTRE ABRAHAM K) 22 May 1990 (1990-05-22) the whole document	1-8
X	US 3 857 563 A (AZARA I) 31 December 1974 (1974-12-31) figure 4	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

22 April 2004

Date of mailing of the international search report

07/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DE 101 40 257 A (FRISCHKOPF CAROL) ✓</p> <p>28 February 2002 (2002-02-28)</p> <p>figures 7A,7B</p>	1

INTERNATIONAL SEARCH REPORT

information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2950120	A	23-08-1960	NONE	
US 5584786	A	17-12-1996	US 5795276 A	18-08-1998
US 4927139	A	22-05-1990	NONE	
US 3857563	A	31-12-1974	DE 2157429 A1 FR 2117666 A5 GB 1341779 A	22-06-1972 21-07-1972 25-12-1973
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